COL Stephen L. Rust
Project Manager

Project Manager Instrumentation, Targets and Threat Simulators

PM ITTS

COL Stephen Rust (PM)
Mr. Jerry Sirmans
(DPM)

IMO
Mr. J. Russell Longenbach
Mr. Ralph Holweck, Deputy

TMO
Mr. Stephen G. Milburn
LTC Al Brown, Deputy

TSMO
Mr. Mark C. Tutten
LTC Pat Miller, Deputy

strumentation Management Office* *Targets Management Office* *Threat Systems Management Offi

- CADTS
- DETEC
- CSI
- DNM
- JWTTC
- MMTS
- QV
- STIL

- MQM 107D&E
- Virtual Targets
- BMP3-S
- Mobile Ground Targets
- Range Target
- QUH-1
- 1/5th Scale Aerial Targets
- Target Operations

- Security Assistance Support
- CC Support
- ASET IV
- XM15S
- XMDEWS
- XM33OS
- XM17S
- XMAC3S

PM ITTS: Points of Contact

The Contracting Officer is POC for Programs in Solicitation Phase		
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Focus Areas

Instrumentation Management Office:

- Simulation (ADSP,CSI, DETEC, STIL)
- Telecommunications–Hard-wire/ Wireless (DETEC, DNM, JWTTC)
- Time and Space Position Information (MMTS)
- Visualization (QV)

Target Management Office:

- Aerial Targets (MQM 107 RATO)

Current Contracts

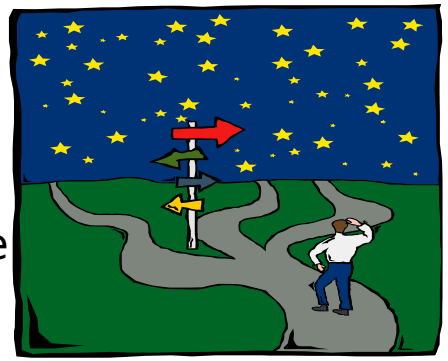
CURRENT	CONTRACTORS	STATUS – OPTION YEARS
CADTS -Active Standoff Test Facility	Battelle Mr. John Moorehead 614-424-5056	Fabrication – No Option Years
CADTS - Joint Ambient Breeze Tunnel	Battelle Mr. John Moorehead 614-424-5056	Fabrication – No Option Years
CADTS - Differential Absorption LIDAR	TBD	RFP In progress – No Option Years
DETEC LSI	SAIC (Albuquerque, NM)	FY04-FY09

Mr. Ralph Holweck
Deputy Director

Instrumentation Management Office

Active Dynamic Spectral Projector (ADSP)

Description



The Active Dynamic Spectral Projector (ADSP) will generate and project to the receptor of a standoff detector system a simulated dynamic chemical or biological threat cloud. The simulated cloud will change with time and
will also represent different background signatures and typical battlefield interference.

Acquisition Strategy

Competitive
Award
STOC

Funding

L
$

RDT&E/OPA

Point of Contact

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Phone: (407) 384-3553 (DSN: 970)
Email:
Joanne.Byrd@peostri.army.mil

Milestones

RFP
FY05

CA
FY06

Crew Station Interface (CSI)

Description

Provides a Crew Station Interface for various rotary wing platforms to determine optimum man-machine interfaces. It also provides connectivity via the Defense Research and Engineer Network to other Service / DoD test sites. Features: interchangeable flight controls, seats, consoles and panels to create a replica of the actual cockpits to recreate the force-feel systems, ergonomic factors and other MANPRINT considerations. This simulator will provide for systems of systems testing in a robust virtual scenario.

Acquisition Strategy

Competitive Multiple Awards

Funding

L
$

RDT&E/OPA

Point of Contact

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Milestones

RF
P
FY 06

Systems Test and Integration Laboratory (STIL)

Description

This project will develop a testing and integration lab for the stimulation, simulation, and integration of all “hardware in the loop” testing of on/off platform aviation electronic components and/or complete systems as part of modernization of Army aircraft. This project will provide capability in developmental testing, engineering, integration to include a virtual test environment integrating appropriate flight dynamics models to support all aircraft system both live and simulated. Will [illegible] C test centers.

Acquisition Strategy

Competitve

Funding

L
$

RDT&E / OPA

Point of Contact

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Joanne.Byrd@peostri.army.mil

Milestones

RF
FY 06

Directed Energy Test and Evaluation Capability (DETEC)

Description

12 joint testing capabilities for DE weapons systems:
High Energy Laser (HEL) shortfalls
- Laser and Laser/Target Characterization Instrumentation
- Laser-Hardened Flight Termination Systems, Telemetry, Target Co
- Instrumentation Atmospheric Characterization for Laser T&E

High Power Microwave (HPM) shortfalls
- HPM Predictive Avoidance
- HPM and HPM/Target Characterization Instrumentation
- HPM-Hardened Flight Termination Systems, Telemetry, Target Co… Instrumentation
- Surrogate Materials for HE, Fuel, Solid Propellants

Acquisition Strategy

STOC LSI (SAIC) will hire capability developers via 12 separate RFPs. Gov't IPT participates in specifications development and …ction.

Point of Contact

DETEC Subcontracts/Procurement Manager
Name: Ms. Kara Vernon
Phone: 407.243.3524
Email: kara.l.vernon@saic.com

Announcements & Info at:
www.detec-team.org

Planned FY06 Capability Award

L
$
RDT&E/OPA

- **HEL Airborne Target Irradiance & Imagery Measurement (ATIM)**
- **HPM Hardened Target Subsystem (HTS)**
- **HPM Propagation Energy Measurement (PEM)**
- **HPM Sensor Suite (SS)**
- **HPM Narrowband Surrogate Sources for Threat Systems (R2R4)**

Digital Network Migration (DNM)

Description

- Develop Van Interface Kits
- Integrate Range Instrumentation Systems
- Provide ‘Real-Time’ Transmissions to CRCC
- Upgrade Transmission Network to OC 192
- Upgrade Network Management System

Acquisition Strategy

Competitive Multiple Awards

Funding

L
$
RDT&E, OMA

Point of Contact

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White Sands Missile Range
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Name: Joanne Byrd
Phone: (407) 384-3553 (DSN: 970)

Milestones

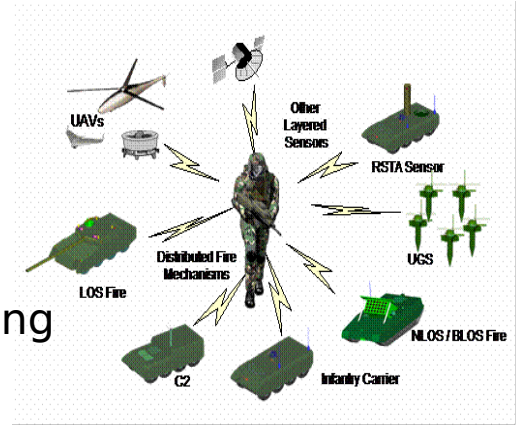
RF
P
TB
D

Joint Warfighter Test and Training Capability (JWTTC)

Description

Development of a comprehensive test capability to test and assess:

- The impact of Warfighter performance on the overall performance of a System
- The impact of system operations and the operating environment on the Warfighter



Acquisition Strategy

Competitive Multiple Awards

Funding

L
$

RDT&E / OPA

Point of Contact

Name: Paul A. Tennant
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Paul.Tennant@atc.army.mil
Name: Joanne Byrd
Phone: (407) 384-3553 (DSN:

Milestones

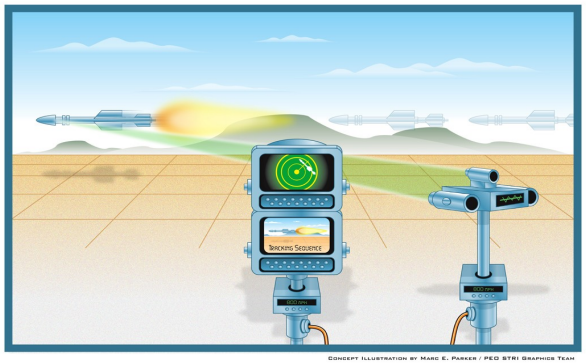
▲

RF
P
4th Qtr
FY06

Mu nsor Time and Space Position Information (MMTS) System

Description

The Mobile Multi-sensor TSPI system will provide accurate
Time and Space Position Information (TSPI) for kinetic energy missiles, and weapons that fly a low, flat trajectory. Additionally, this system will provide multiple object
tracking to provide TSPI for Active Protection System engagements.



CONCEPT ILLUSTRATION BY MARC E. PARKER / PEO STRI GRAPHICS TEAM

Acquisition Strategy

Competitve

Funding

L
$

RDT&E / OPA

Point of Contact

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Email:
Joanne.Byrd@peostri.army.mil

Milestones

RF
P
TB
D

Quantitative Visualization for Test and Evaluation (QV)

Description

Quantitative Visualization (QV) combines real measurements with simulation modeling, Geospatial Information System (GIS) data, and commercial-off-the-shelf networking and display technologies to allow real-time and quantitatively precise visualization of tests.

Acquisition Strategy

Competitve

Funding

L
$

RDT&E / OPA

Point of Contact

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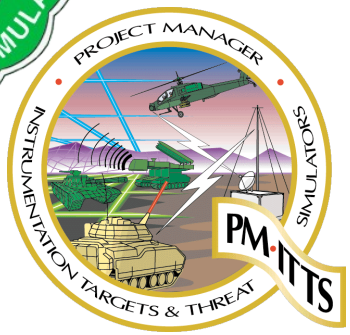
Milestones

RF
TBD



Mr. Stephen Milburn Director

Targets Management Office

SMDC-04-0005

MQM-107 RATO

Description

The MQM-107 is launched with a solid rocket booster achieving an average thrust of 6000 lbs with a burn time of approximately 2.5 seconds.

Acquisition Strategy

Performance Specification
Full and Open Competition
Firm Fixed Price

Funding

L
$

Point of Contact

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Milestones

RFP Nov 05	CA Jan 06	First Art Tst Sep 06	Deliveries Begin May 07